

ABSTRACT OF THE DISCLOSURE

A central station and base station are connected by using an optical transmission path. Low frequency optical signals are transmitted via the optical transmission path. The base station
5 and a wireless terminal are connected by using a wireless transmission path. The base station converts an optical signal that is input via the optical transmission path into an electrical signal, converts the electrical signal into a high frequency signal, and then converts this high frequency signal
10 into a radio wave signal and outputs this signal. The wireless terminal inverts the received radio wave into an electrical signal and converts the electrical signal into a low frequency signal. By using low frequency optical signals and high frequency electrical signals, the costs of building the
15 communication system can be reduced without any loss of communication speed.